

ABSTRACT

A method of determining a connection between a data emitting device j having address $IP(j)$ and a data receiving device i having address $IP(i)$ via a routing device, wherein the routing device utilizes a management information database MIB, establishing a mask field in the MIB for all devices in a subnet which passes data through the routing device having a property

$$(IP(i) \text{ AND MASK}) = (IP(j) \text{ AND MASK}),$$

and indicating connection of a device i to a device j for devices in which the property is true.